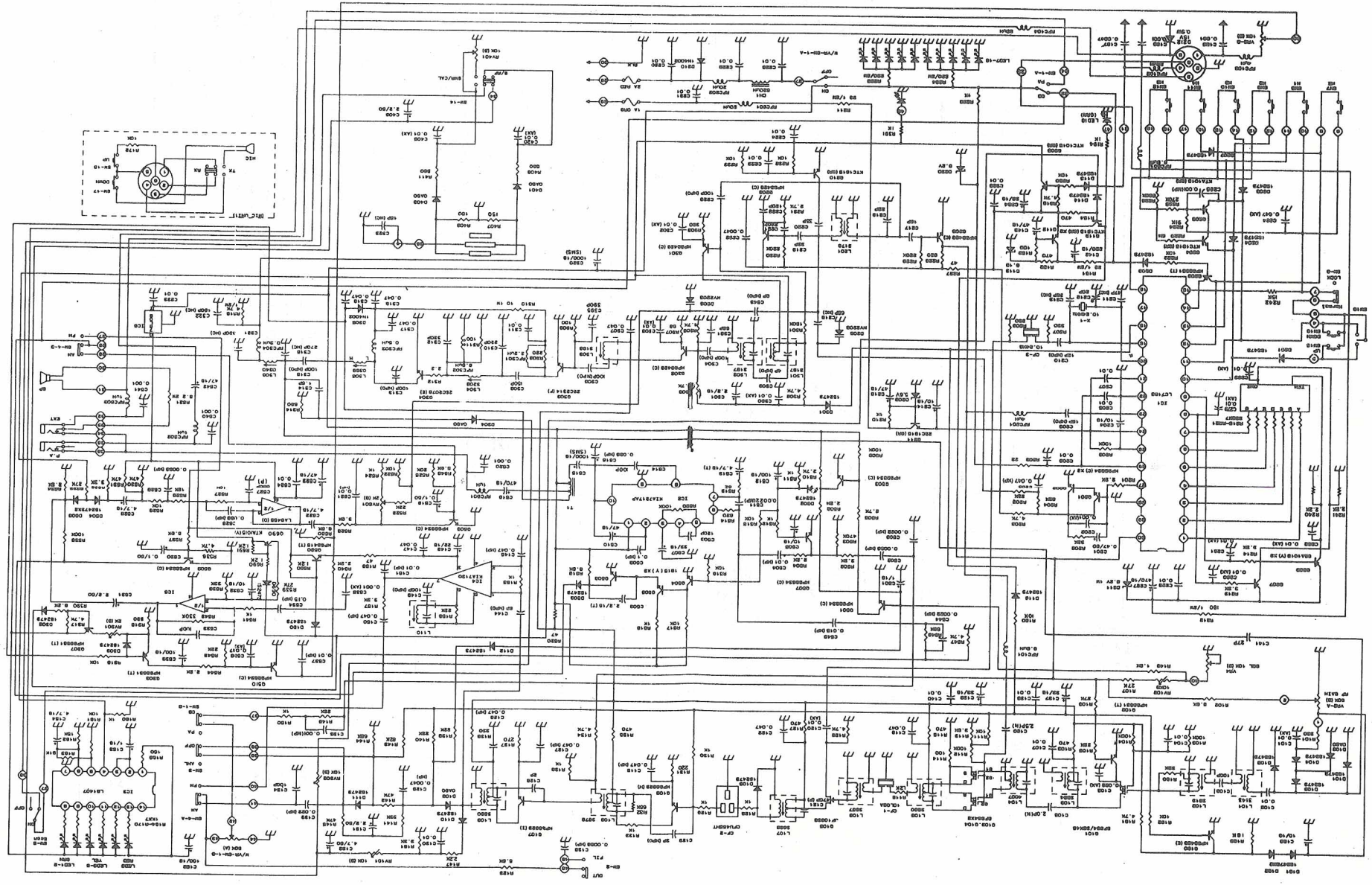
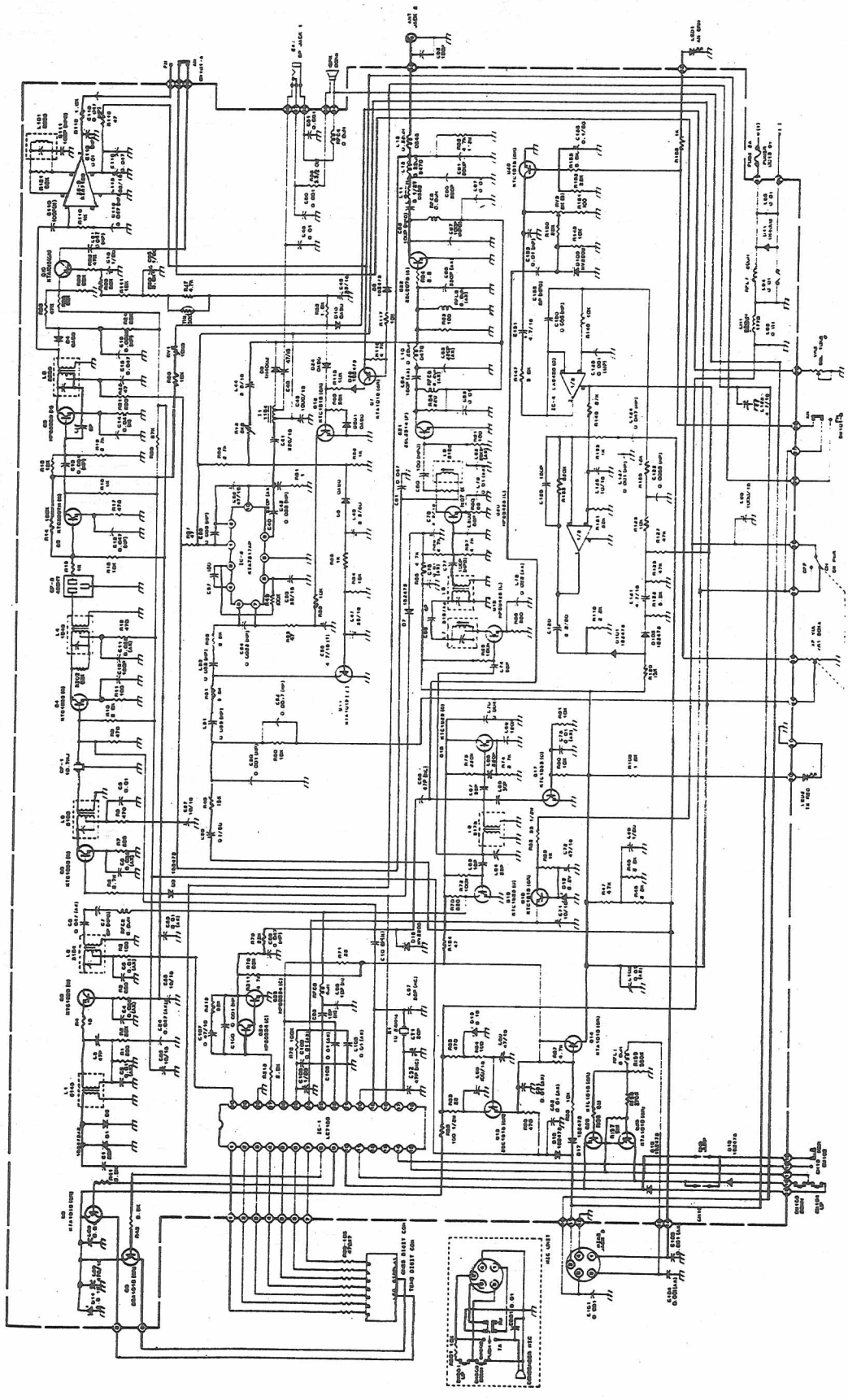
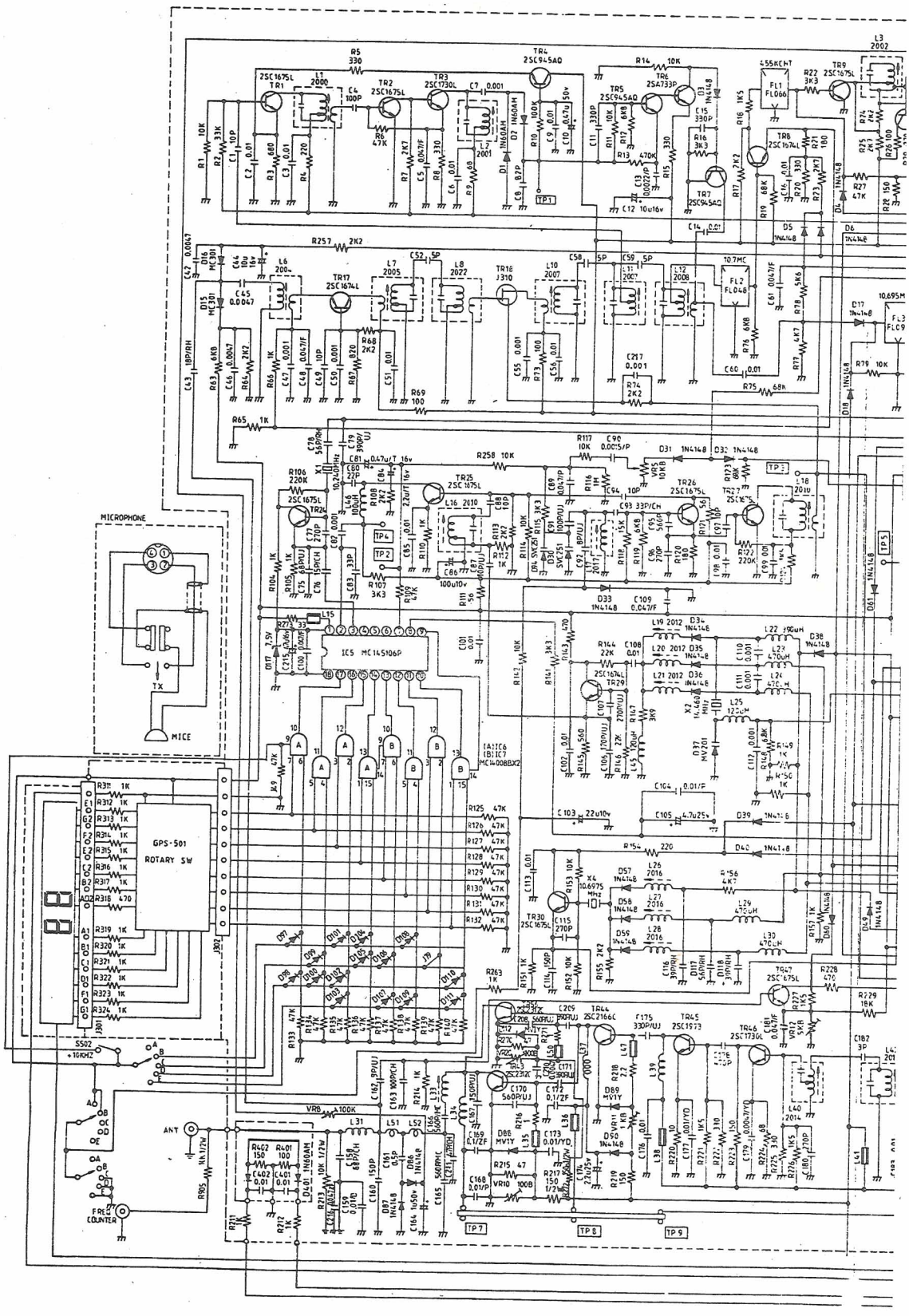
ALAN 28

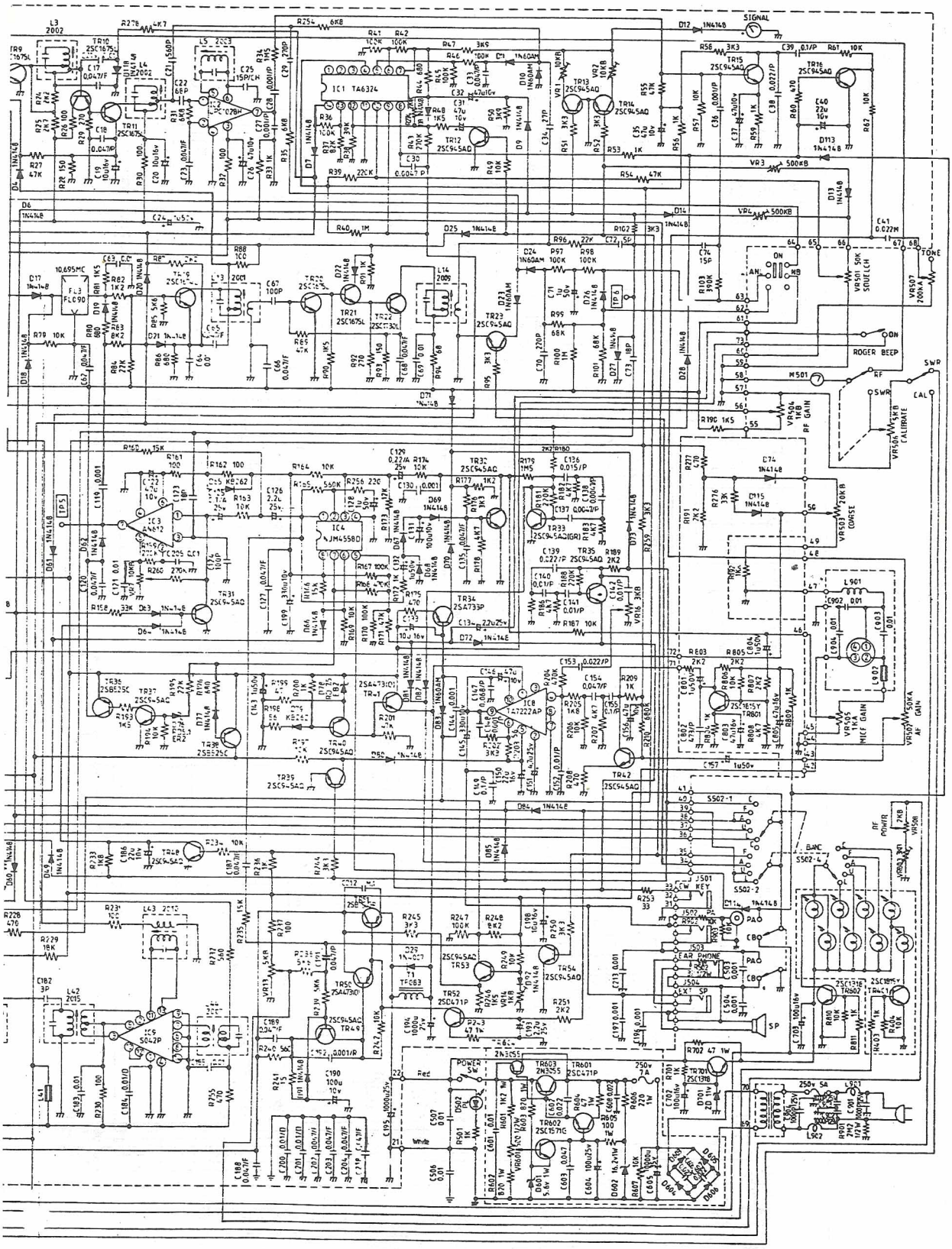


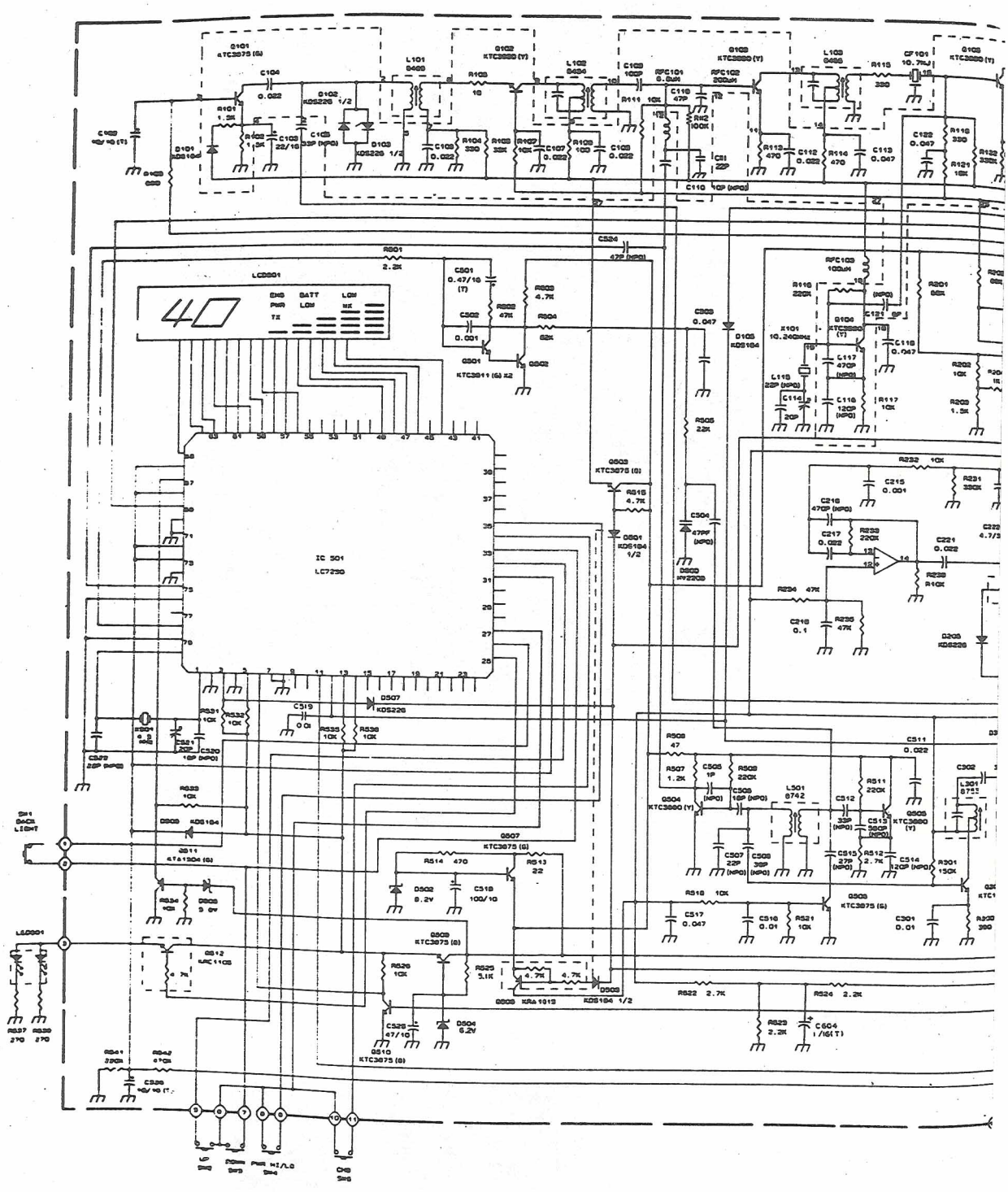
Schematic Diagram.



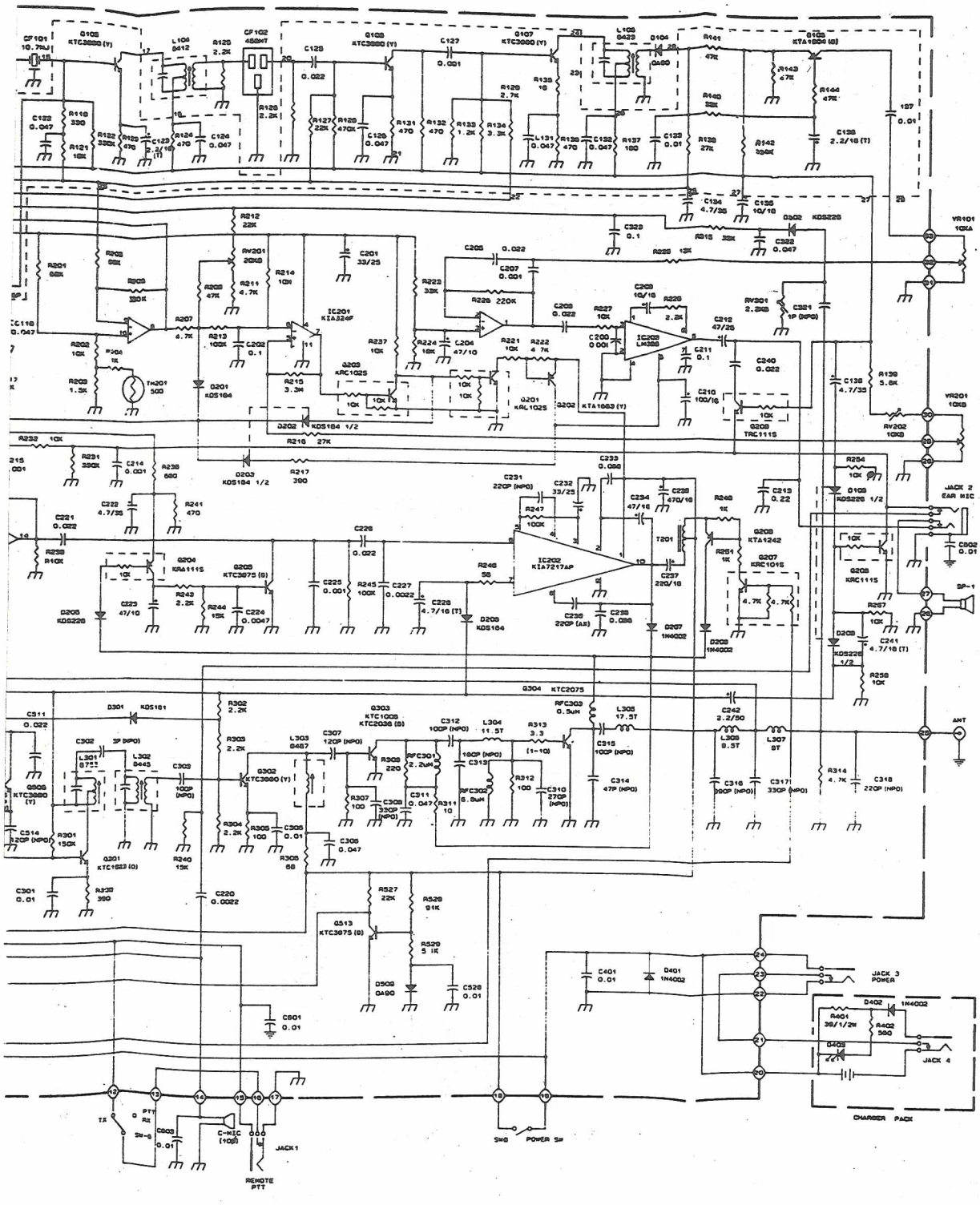
Schematic Diagram



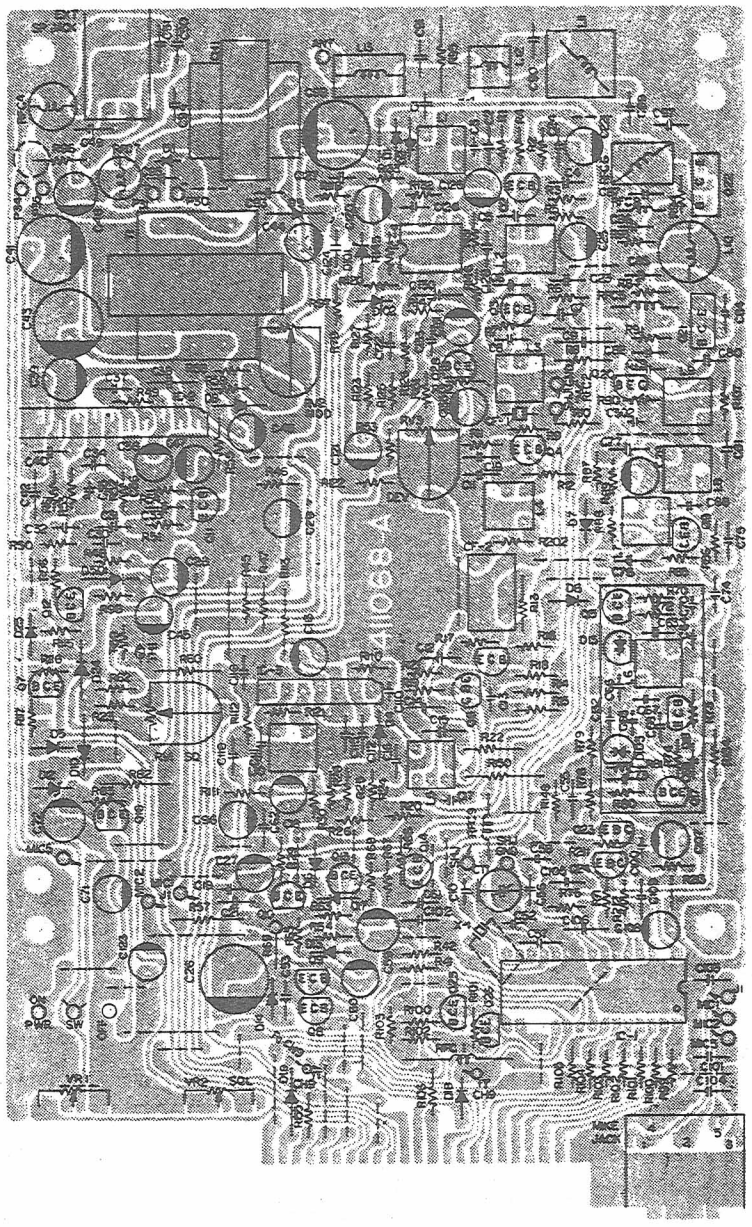




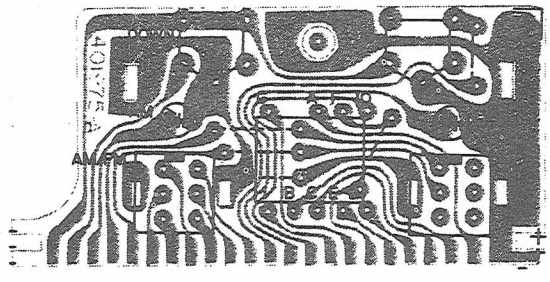
SCHEMATIC DIAGRAM



Parts Layout. Main PC Board.



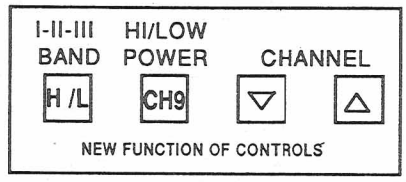
Pattern Side



120-CH MODIFICATION

1) Open the radio by removing the 4 screws of the cover.
2) Unsolder and free the two metallic tabs blocking the P.C.B. of the display.
3) Remove the screws near the display.
4) Carefully lift the P.C.B. of the display and turn it.
5) Remove the shield covering the components.
6) Select the microprocessor marked LC 7230.
7) Insert the 4 wires soldered in the loudspeaker hole on the P.C.B.
8) Re-solder the shield to the P.C.B. (step 5).
9) Replace the P.C.B. in the original position keeping also the metallic tabs and screwing the two screws.
10) Isolate the two tracks of the H/L button and solder to them the two wires coming from the pin 30 and 33 of LC 7230.
11) To re-establish the function high and low power (ex H/L),cut the track which from the rear side reaches the "CH 9" button.
12) Now solder the track that previously connected the "H/L" button from under the display (before being cut), to the isolated contact of the "CH 9" button.

Following this step, the "CH 9" button controls the high and low power.



The modification is now finished and the radio transmits on 120 channels in 3 bands of 40 channels each.

13) To display the band, we suggest that you hole the plastic frontal to insert a two-coloured Led and connect it as described in drawing 2. In this way, with the Led turned off, the radio operates on the 40 "high" channels; with the green Led on the "low" channels, while with the red Led on the type-approved channels.

One Chip CB Controller (LCD) Using for LC 7230